

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1 1-14 (Cancelled)
- 1 15. (New) A method for automatically deploying a quality of service (“QoS”) policy
2 to a plurality of network devices in a packet telephony network based on a QoS
3 policy template comprising the computer-implemented steps of:
4 receiving device information that defines authentication and location information
5 of each of said plurality of network devices;
6 receiving interface information defining one or more interfaces associated with
7 each of said plurality of network devices;
8 creating and storing one or more QoS policy templates in a database, wherein each
9 of the one or more QoS policy templates indicates one or more QoS
10 policies that associate QoS tools with network device traffic flows; and
11 based on the device information and interface information, determining one or
12 more QoS policies for deployment to each of said plurality of network
13 devices.
- 1 16. (New) A method according to Claim 15 wherein said step of receiving interface
2 information comprises executing an SNMP, telnet, or virtual device query of said
3 device.
- 1 17. (New) A method according to Claim 15 wherein said step of creating and storing
2 one or more QoS policy templates comprises creating and storing a filter for a
3 QoS policy.
- 1 18. (New) A method according to Claim 17 wherein said step of creating and storing
2 a filter for a QoS policy comprises defining an action for said QoS policy.

- 1 19. (New) A method according to Claim 15 wherein said one or more QoS policy
2 templates are stored in a centralized, network-wide policy database or another
3 storage device.
- 1 20. (New) A method according to Claim 15 further comprising the steps of:
2 generating a list of command line interface (“CLI”) commands that correspond to
3 properties for each network device; and
4 sending said list of CLI commands to each network device to be implemented.
- 1 21. (New) A computer-readable medium carrying one or more sequences of
2 instructions for automatically deploying a quality of service (“QoS”) policy to a
3 plurality of network devices in a packet telephony network based on a QoS policy
4 template, which instructions, when executed by one or more processors, cause the
5 one or more processors to carry out the steps of:
6 receiving device information that defines authentication and location information
7 of each of said plurality of network devices;
8 receiving interface information defining one or more interfaces associated with
9 each of said plurality of network devices;
10 creating and storing one or more QoS policy templates in a database, wherein each
11 of the one or more QoS policy templates indicates one or more QoS
12 policies that associate QoS tools with network device traffic flows; and
13 based on the device information and interface information, determining one or
14 more QoS policies for deployment to each of said plurality of network
15 devices.
- 1 22. (New) The computer-readable claim according to Claim 21 wherein said step of
2 receiving interface information comprises executing an SNMP and telnet query of
3 said device.

- 1 23. (New) The computer-readable claim according to Claim 21 wherein said step of
2 creating and storing one or more QoS policy templates comprises creating and storing
3 a filter for a QoS policy.
- 1 24. (New) The computer-readable claim according to Claim 23 wherein said step of
2 creating and storing a filter for a QoS policy comprises defining an action for said
3 QoS policy.
- 1 25. (New) A computer-readable medium according to Claim 21, wherein said one or
2 more QoS policy templates are stored in a centralized, network-wide policy database
3 or another storage device.
- 1 26. (New) A computer-readable medium according to Claim 21, carrying one or more
2 sequences of instructions which, when executed by one or more processors, further
3 cause the one or more processors to carry out the steps of:
4 generating a first list of command line interface (“CLI”) commands that correspond to
5 properties for each network device; and
6 sending said list of CLI commands to each network device to be implemented.
- 1 27. (New) An apparatus for automatically deploying a quality of service (“QoS”) policy
2 to a plurality of network devices in a packet telephony network based on a QoS policy
3 template, comprising:
4 means for receiving device information that defines authentication and location
5 information of each of said plurality of network devices;
6 means for receiving interface information defining one or more interfaces associated
7 with each of said plurality of network devices;
8 means for creating and storing one or more QoS policy templates in a database,
9 wherein each of the one or more QoS policy templates indicates one or more
10 QoS policies that associate QoS tools with network device traffic flows; and

11 based on the device information and interface information, means for determining one
12 or more QoS policy for deployment to each of said plurality of network
13 devices.

1 28. (New) An apparatus according to Claim 27 wherein said means for receiving
2 interface information comprises means for executing an SNMP, telnet, or virtual
3 device query of said device.

1 29. (New) An apparatus according to Claim 27 wherein said means for creating and
2 storing one or more QoS policy templates comprises means for creating and
3 storing a filter for a QoS policy.

1 30. (New) An apparatus according to Claim 29 wherein said means for creating and
2 storing a filter for a QoS policy comprises means for defining an action for said
3 QoS policy.

1 31. (New) An apparatus according to Claim 27 wherein said one or more QoS policy
2 templates are stored in a centralized, network-wide policy database or another
3 storage device.

1 32. (New) An apparatus according to Claim 27 further comprising:
2 means for generating a list of command line interface (“CLI”) commands that
3 correspond to properties for each network device; and
4 means for sending said list of CLI commands to each network device to be
5 implemented.

1 33. (New) An apparatus for automatically deploying a quality of service (“QoS”) policy
2 to a plurality of network devices in a packet telephony network based on a QoS policy
3 template, comprising:
4 a network interface coupled to a network for receiving command-line interface
5 information therefrom;

6 one or more processors communicatively coupled to the network interface and
7 configured to receive information therefrom;
8 one or more stored sequences which, when executed by the one or more processors,
9 cause the one or more processors to carry out the steps of:
10 receiving device information that defines authentication and location information of
11 each of said plurality of network devices;
12 receiving interface information defining one or more interfaces associated with each
13 of said plurality of network devices;
14 creating and storing one or more QoS policy templates in a database, wherein each of
15 the one or more QoS policy templates indicates one or more QoS policies that
16 associate QoS tools with network device traffic flows; and
17 based on the device information and interface information, determining one or more
18 QoS policies for deployment to [[several]] each of said plurality of network
19 devices.

1 34. (New) An apparatus according to Claim 33 wherein said step of receiving
2 interface information comprises executing an SNMP, telnet, or virtual device
3 query of said device.

1 35. (New) An apparatus according to Claim 33 wherein said step of creating and
2 storing one or more QoS policy templates comprises creating and storing a filter
3 for a QoS policy.

1 36. (New) An apparatus according to Claim 35 wherein said step of creating and
2 storing a filter for a QoS policy comprises defining an action for said QoS policy.

1 37. (New) An apparatus according to Claim 33 wherein said one or more QoS policy
2 templates are stored in a centralized, network-wide policy database or another
3 storage device.

- 1 38. (New) An apparatus according to Claim 33, wherein said one or more stored
2 sequences of instructions which, when executed by a processor of the one or more
3 processors, further cause the processor to carry out the steps of:
4 generating a list of command line interface (“CLI”) commands that correspond to
5 properties for each network device; and
6 for sending said list of CLI commands to each network device to be implemented.